

Title (en)
VARIABLE VALVE ACTUATION SYSTEM FOR TYPE II VALVETRAIN USING LOST MOTION AND RESET

Title (de)
VARIABLES VENTILSTEUERUNGSSYSTEM FÜR TYP-II-VENTILSPIEL MIT TOTGANG UND RÜCKSETZUNG

Title (fr)
SYSTÈME D'ACTIONNEMENT DE SOUPAPE VARIABLE POUR UN DISPOSITIF DE COMMANDE DE SOUPAPES DE TYPE II UTILISANT UN MOUVEMENT PERDU ET UNE RÉINITIALISATION

Publication
EP 3488086 A4 20200325 (EN)

Application
EP 17831844 A 20170720

Priority
• US 201662364481 P 20160720
• US 2017042973 W 20170720

Abstract (en)
[origin: WO2018017779A1] A rocker arm assembly for a Type II valvetrain arranged for cooperation with a cylinder head includes a roller finger follower (RFF) and a lost motion with reset (LMR) hydraulic assembly. The RFF has a first end and a second end. The first end cooperates with a valve. The LMR hydraulic assembly has a hydraulic control element and a plunger. The LMR hydraulic assembly moves the plunger between a rigid position and a non-rigid position. The LMR hydraulic assembly is configured at the second end of the RFF.

IPC 8 full level
F01L 1/24 (2006.01); **F01L 1/18** (2006.01); **F01L 1/20** (2006.01); **F01L 13/00** (2006.01); **F01L 13/06** (2006.01)

CPC (source: EP US)
F01L 1/18 (2013.01 - EP US); **F01L 1/185** (2013.01 - EP); **F01L 1/20** (2013.01 - EP US); **F01L 1/24** (2013.01 - EP US); **F01L 1/2405** (2013.01 - EP US); **F01L 13/00** (2013.01 - EP US); **F01L 13/0005** (2013.01 - EP); **F01L 13/06** (2013.01 - EP US); **F01L 13/065** (2013.01 - EP US); **F01L 2800/19** (2013.01 - EP US)

Citation (search report)
• [X] EP 2843203 A1 20150304 - TOYOTA MOTOR CO LTD [JP]
• [X] JP H04284110 A 19921008 - YAMAHA MOTOR CO LTD
• [X] US 2003172889 A1 20030918 - DJORDJEVIC ILIJA [US]
• [X] EP 1662098 A1 20060531 - SCHAEFFLER KG [DE]
• [A] JP H11247635 A 19990914 - AISIN SEIKI
• See references of WO 2018017779A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018017779 A1 20180125; CN 109661508 A 20190419; EP 3488086 A1 20190529; EP 3488086 A4 20200325; US 10851681 B2 20201201; US 2019145288 A1 20190516

DOCDB simple family (application)
US 2017042973 W 20170720; CN 201780054006 A 20170720; EP 17831844 A 20170720; US 201916250420 A 20190117